

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No. AOL0111	Serial No.: 10/688,423
	Applicant: Stephen Loomis, et al.	
	Filing Date: October 16, 2003	Group: 2615

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub-class	Filing Date
	1	5,325,238	6/28/1994	Stebbings et al.			
	2	5,517,672	5/14/1996	Reussner et al			
	3	5,528,513	6/18/1996	Vaitzbilt et al			
	4	5,585,866	12/1996	Miller et al.			
	5	5,644,715	7/1/1997	Baugher			
	6	5,671,195	09/1997	Lee, Howard Hong-Dough			
	7	5,734,119	3/3/1998	France et al			
	8	5,761,417	7/28/1998	Henley et al.			
	9	5,784,597	07/1998	Chiu et al.			
	10	5,787,482	7/28/1998	Chen et al			
	11	5,802,502	9/1/1998	Gell et al			
	12	5,892,900	6/6/1996	Ginter et al			
	13	5,907,827	05/1999	Fang et al.			
	14	5,910,987	6/8/1999	Ginter et al			
	15	5,913,039	6/15/1999	Nakamura			
	16	5,915,019	6/22/1999	Ginter et al			
	17	5,917,912	6/29/1999	Ginter et al			
	18	5,920,861	7/6/1999	Hall et al			
	19	5,930,765	07/1999	Martin, John R			
	20	5,943,422	8/24/1999	Van Wie et al			
	21	5,944,778	8/31/1999	Takeuchi et al			
	22	5,949,876	9/7/1999	Ginter et al			
	23	5,956,321	9/21/1999	Yao et al			
	24	5,956,491	9/21/1999	Marks			
	25	5,959,945	09/1999	Kleiman, Ruben			
	26	5,982,891	11/9/1999	Ginter et al			
	27	5,996,015	11/30/1999	Day et al			
	28	6,041,354	3/21/2000	Biliris et al			
	29	6,088,722	7/11/2000	Herz			
	30	6,112,023	8/29/2000	Dave et al			
	31	6,112,181	8/29/2000	Shear et al			
	32	6,138,119	10/24/2000	Hall et al			
	33	6,157,721	12/5/2000	Shear et al			
	34	6,160,812	12/2000	Bauman et al			
	35	6,163,683	12/19/2000	Dunn et al			
	36	6,173,325	1/9/2001	Kukreja			
	37	6,185,683	2/6/2001	Ginter et al			
	38	6,195,701	2/27/2001	Kaiserworth et al			
	39	6,199,076	3/6/2001	Logan et al			
	40	6,222,530	4/24/2001	Sequiera			
	41	6,237,786	5/29/2001	Ginter et al			
	42	6,240,185	5/29/2001	Van Wie et al			

43	6,247,061	6/12/2001	Douceir			
44	6,253,193	6/26/2001	Ginter et al			
45	6,262,569	7/17/2001	Carr et al			
46	6,300,880	10/9/2001	Sitnik			
47	6,314,576	11/2001	Asamizuya et al.			
48	6,332,163	12/18/2001	Bowman-Amuah			
49	6,363,488	3/26/2002	Ginter et al			
50	6,389,402	5/14/2002	Ginter et al			
51	6,427,140	7/30/2002	Ginter et al			
52	6,438,450	8/20/2002	DiLorenzo			
53	6,438,630	8/20/2002	DeMoney			
54	6,446,125	9/3/2002	Huang et al			
55	6,446,126	9/3/2002	Huang et al			
56	6,449,367	9/10/2002	Van Wie et al			
57	6,453,316	9/17/2002	Kairbe et al			
58	6,477,541	11/2002	Korst et al			
59	6,477,707	11/2002	King et al.			
60	6,492,469	12/2002	Willis et al			
61	6,601,041	7/29/2003	Brown et al			
62	6,618,484	9/9/2003	Van Wie et al			
63	6,658,568	12/2/2003	Ginter et al			
64	6,668,325	12/23/2003	Collberg et al			
65	6,772,435	08/2004	Thexton et al			
66	6,910,220	06/2005	Hickey et al			
67	6,950,623	09/2005	Brown et al			
68	7,020,710	03/2006	Weber et al			
69	7,020,893	03/2006	Connelly, Jay H			
70	7,136,906	11/2006	Giacalone Jr., Louis D.			
71	7,185,352	02/2007	Halford et al.			
72	6,772,340	08/2004	Peinado et al.			
73	6,263,313	07/2001	Milsted et al.			
74	7,024,485	04/2006	Dunning et al.			
75	6,609,097	08/2003	Costello et al.			

Published U.S. Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation	
							Yes	No
	1	2001/0003828	6/14/2001	Peterson et al				
	2	2002/0032907	03/2002	Daneils John J.				
	3	2002/0059624	05/2002	Machida et al				
	4	2002/0068525	06/2002	Brown et al.				
	5	2002/0078056	6/20/2002	Hunt et al.				
	6	2002/0082914	6/27/2002	Beyda et al				
	7	2002/0095510	07/2002	Sie et al				
	8	2002/0104099	8/2002	Novak, Robert Eustace				
	9	2002/0107968	2/6/2003	Messarina				
	10	2002/0108395	8/15/2002	Fujita et al.				
	11	2002/0152876	10/24/2002	Hughes et al				
	12	2002/0152878	10/24/2002	Akashi				
	13	2002/0198846	12/26/2002	Lao				

	14	2003/0014436	1/16/2003	Spencer, et al.				
	15	2003/0018797	1/23/2003	Dunning et al				
	16	2003/0023973	Jan-03	Monson et al.				
	17	2003/0023975	Jan-03	Schrader et al.				
	18	2003/0069768	4/10/2003	Hoffman, et al.				
	19	2003/0121050	6/26/2003	Kalva et al.				
	20	2003/0126275	7/3/2003	Mungavan et al				
	21	2003/0135605	7/17/2003	Pendakur				
	22	2003/0195974	10/16/2003	Ronning et al				
	23	2004/0064507	4/1/2004	Sakata				
	24	2005/0159104	07/2005	Valley et al.				
	25	2002/0091761	07/2002	Lambert, James P.				
	26	2003/0236906	12/2003	Klemets et al.				
	27	2003/0048418	03/2003	Hose et al.				
	28	2003/0028893	02/2003	H. Addington, Timothy				
	29	2005/0114757	05/2005	Sahota et al.				

Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation	
							Yes	No
	1	EP 1286351A2	2/26/2003	Surcouf et al.				
	2	EP 1178487A1	2/6/2002	Shimada et al				
	3	EP 1187423A2	3/13/2002	Watanabe, K.				
	4	EP 1229476A2	8/7/2002	Chatani et al				
	5	EP 1244021A1	9/25/2002	Yamamoto, K.				
	6	EP 1267247A2	12/18/2002	Du, et al.				
	7	WO 02/063414	8/14/2002	Dietsch, K-L.				
	8	WO 01/10496A2	2/15/2001	Rubin et al				
	9	TW 497055	8/1/2002	Tsais				
	10	JP 2002318587	10/31/2002	Akashit				
	11	JP 2002108395	4/10/2002	Kobe Steel Ltd				
	12	JP 2003069768	3/7/2003	Ricoh KK				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	1	Xu.C., Feng, D., "Web based Protection and Secure Distribution for Digital Music," August 13-16, 2001, Proceedings for International Conference on Internet and Multimedia Systems and Applications, Hawaii, USA, pp. 102-107.
	2	Apple's iTunes Music Store - http://www.apple.com/music/store
	3	Conference Paper: IP Data Over Satellite to Cable Headends and a New Operation Model with Digital Store and Forward Multi-Media System
	4	Poellabauer, C. Schwan K., West, R., Coordinated CPU and Event Scheduling for Distributed Multimedia Applications:, 10/1/2001, ACM Multimedia; Ottawa, Canada
	5	"Packet Synchronization Recovery Circuit," Vol. 16, No 294, P.120
	6	Hodson, O., et al., "Skew Detection and Compensation for Internet Audio Application," 2000, IEEE international Conference on Multimedia Proceedings, USA, Part Vol.3, pp.1687-90.
	7	Aurrecoechea, C., et al., "A Survey of QoS Architectures," Columbia University, New York.
	8	CEN,S., PU, R., STAEHI, R., WALPOLE, J., "A Distributed Real-Time MPEG Video Audio Player", Dept of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology

	9	MANOUSELIS, N., KARAMPIPERIS, P., VARDIAMBASIS, I.O., MARAS, A., "Digital Audio Broadcasting Systems under a QoS Perspective", Telecommunications Laboratory, Dept. of Electronics & Computer Engineering, Technical University of Crete, Greece
	10	Helix Universal Gateway Configuration Guide, RealNetworks Technical Blueprint Series
	11	SION, R., ELMAGARMID, A., PRABHAKAR, S., REZGUI, A., "Challenges in designing a QoS aware Media Repository (working draft) Computer Science, Purdue University, IN
	12	CHEN, Z., TAN, S.-M., CAMPBELL, R., LI, Y., "Real Time Video and Audio in the World Wide Web". Dept. of Computer Science, Univ. of Illinois, Champagne - Urbana
	13	Content Networking with the Helix Platform, RealNetworks White Paper Series, July 2002
	14	HESS, C., Media Streaming Protocol: An Adaptive Protocol for the Delivery of Audio and Video Over the Internet", 1998, Univ. of Illinois, Champagne-Urbana
	15	KOSTER, R., "Design of a Multimedia Player with Advanced QoS Control", January 1997, Oregon Graduate Institute of Science and Technology
	16	NARASIMHA, R. et al. "I/O Issues in a Multimedia System"; Computer, Vol. 27, No. 3, pg 69-74, March 1994, USA
	17	RAMAKRISHNAN, K.K. et al; "Operating system Support for a video-on-demand file service"; Multimedia Systems; Vol. 3, No. 2, Pg. 53-65, 1995 West Germany
	18	NWOSU, K.C. et al "Data Allocation and Spatio-Temporal Implications for Video-on-Demand Systems"; Proceedings of 1995 14th Annual Phoenix Conference on Computers and Communications; (Cat. No.95CH35751), pg. 629-35; IEEE: 1995 USA
	19	EUN, S.; et al. "Nonpreemptive scheduling algorithms for multimedia communication in local area networks"; Proceedings 1995 Int'l Conf on Network Protocols (Cat. no.: 95TB8122) pg. 356-IEEE Comput. Soc. Press; 1995 Los Alamitos, CA USA 1996
	20	NAKAJIMA, T.; "A Dynamic QoS control based on Optimistic processor reservation"; Proceedings of the Intn'l conf. on Multimedia Computing and Systems (Cat. No.: 96TB100057), pg. 95-103, IEEE Comp. Soc. 1996, Los Alamitos, CA
	21	Orji, C.U. et al; "Spatio-temporal effects of multimedia objects storage delivery on video-on-demand systems"; Multimedia Systems; vol. 5, no. 1, pg 39-52, Springer-Verlag; January 1997, Germany
	22	KENCHAMMANA-HOSEKOTE, D.R., et al.; "I/O scheduling for digital continuous media"; Multimedia Systems, vol. 5, no.4, pg 213-37, Springer-Verlag, July 1997 Germany
	23	MATSUI, Y et al.; "VoR: a network system framework for VBRT over reserved bandwidth"; Interactive Distributed Multimedia Systems and Telecommunications Services, 4th Int'l Workshop, IDMS '97 Proceedings; pg 189-98, Springer-Verlag; 1997, Berlin, Germany
	24	LULING, R. et al.; "Communication Scheduling in a Distributed memory parallel interactive continuous media server system"; Proceedings of 1998 ICPP Workshop on Architectural systems and OS Support for Multimedia Applications Flexible Communications Systems, Wireless Networks and Mobile Computing; (Cat. no. 98EX206) pg 56-65; IEEE Comput. Soc, 1998 Los Alamitos, CA USA
	25	SEONGBAE, E., et al; "A real-time scheduling algorithm for multimedia communication in samll dedicated multimedia systems"; KISS(A) (Computer Systems and Theory) vol 25, no.5, pg492-502; Korea Inf. Sci. Soc; May 1998, South Korea, 1999
	26	GAROFALAKIS, M.N., et al. "Resource scheduling in enhanced pay-per-view continuous media databases"; Proceedings of 23rd Int'l Conf. on Very Large Databases"; pg 516-25; Morgan, Kaufman Publishers, 1997, San Francisco, CA USA 1999
	27	MOSTEFAOUI, A.; "Exploiting data structures in a high performance video server for TV archives"; Proceedings of the Int'l Symposium on Digital Media information Base, pg 516-25, World Scientific, 1998 Singapore
	28	GAROFALAKIS, M.N., "On periodic resource scheduling for continuous media databases: VLDB Journal, Vol 7, no.4, pg 206-25; 1998 Springer Verlag, germany 1999
	29	HWEE-HWA, P., et al, "Resource Scheduling In A High Performance Multimedia Server," March-April 1999, IEEE, USA.
	30	YOUNG-UHG, L. et al, "Performance analysis and evaluation of allocating subbanded video data block on MZR disk arrays"; Proceedings of the High Performance Computing (HPC'98) pg 335-40, Soc for Comp Simulation Intn'l 1998, San Diego, CA, USA
	31	FENG, C. et al.; "An architecture of distributed media servers for supporting guaranteed QoS and media indexing", IEEE Intn'l Conf on Multimedia Computing and Systems, Part vol. 2 IEEE Comp. Soc. 2 vol. 1999 Los Alamitos, CA 1999
	32	TO, T.-P.J. et al "Dynamic optimization of readsize in hypermedia servers"; IEEE Intn'l Conf on Multimedia Computing and Systems; Part vol. 2, pg 486-91, Pub. IEEE Comput. Soc, 2 vol. 1999 Los Alamitos, CA USA
	33	LEE, W. et al., "QoS-adaptive bandwidth scheduling in continuous media streaming"; Information and Software Technology; v.44n, June 2002, pg 551-563

	34	WADDINGTON, D.G., "Resource partitioning in general purpose operating systems; experimental results in Windows NT"; Operating Systems Review, vol. 33, no4, pg52-74; ACM, October 1999, USA
	35	DITZE, M. et al. "A method for real-time scheduling and admission control of MPE 2 streams; PART 2000; 7th Australian Conference on Parallel and Real-Time Systems", Nov. 2000, Sydney, NSW, Australia, Pub: Springer-Verlag, Hong Kong, China 2001
	36	GAROFALAKIS, M., et al, "Competitive Online scheduling of continuous media streams", Journal of Computer and Systems Sciences; vol64, no2 pg 219-48, Academic Press, March 2002 USA
	37	WONJON, L. et al. ; "QoS-adaptive bandwidth scheduling in continuous media streaming" Dept of Computer Sci and Engr, Korea University, Seoul, South Korea; Information and Software Technology, vol 44, no9, pg551-53, Seoul, Korea
	38	MOURLAS, C.; "Deterministic scheduling of CBR and VBR media flows on parallel media servers", Euro-Par 2002 Parallel Processing 8th Intern'l Euro-Par Conference Proceedings; Vol 2400, pg 807-15, August 2002, Paderborn, Germany 2003
	39	BUFORD, J.F.; "Storage server requirements for delivery of hypermedia documents", Proceedings of the SPIE - The International Society for Optical Engineering Conference, Int. Soc. Opt. Eng. vol2417, pg 346-55, 1995

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.